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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/010,150	11/16/2001	David L. Brock	8491,0009	9975
21005 75	90 06/01/2004		`. EXAMII	NER
	BROOK, SMITH & RE	PHILOGENE, PEDRO		
530 VIRGINIA ROAD P.O. BOX 9133 CONCORD, MA 01742-9133			ART UNIT	PATER NUMBER
			3732	111
			DATE MAILED: 06/91/2004	1,2

Please find below and/or attached an Office communication concerning this application or proceeding.

•		Applicati	on No.	Applicant(s)		
		10/010,1	50	BROCK ET AL.		
	Office Action Summary	Examine		Art Unit		
		Pedro Ph		3732		
Period for	The MAILING DATE of this communication Reply	n appears on the	cover sheet with the c	orrespondence add	dress	
THE M/ - Extension after SD - If the period of the period	RTENED STATUTORY PERIOD FOR RALING DATE OF THIS COMMUNICATIONS of time may be available under the provisions of 37 CK (6) MONTHS from the mailing date of this communication for reply specified above is less than thirty (30) days, ariod for reply is specified above, the maximum statutory provided by the complex of the provided period for reply will, by the received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no evon. a reply within the state seriod will apply and wistatute, cause the app	ent, however, may a reply be tim utory minimum of thirty (30) days ill expire SIX (6) MONTHS from lication to become ABANDONE	nely filed s will be considered timely the mailing date of this co		
Status						
1)⊠ R	esponsive to communication(s) filed on	20 August 2003			ı	
, —	<u> </u>	This action is n				
·	ince this application is in condition for all			secution as to the	merits is	
•	osed in accordance with the practice un	•	• •			
Disposition	n of Claims					
4)⊠ C	laim(s) 1-71 is/are pending in the application	ation.				
•	a) Of the above claim(s) is/are wit		nsideration.			
5)⊠ C	laim(s) 37-58 is/are allowed.					
6)⊠ C	laim(s) 59-71 and 1036 is/are rejected.					
7)□ C	laim(s) is/are objected to.					
8)□ C	laim(s) are subject to restriction a	ind/or election r	equirement.			
Application	n Papers					
9)□ Tr	ne specification is objected to by the Exa	miner.				
10)□ Th	ne drawing(s) filed on is/are: a)	accepted or b)	\square objected to by the E	Examiner.		
Α	pplicant may not request that any objection to	o the drawing(s) t	e held in abeyance. See	e 37 CFR 1.85(a).		
R	eplacement drawing sheet(s) including the $lpha$	orrection is requir	ed if the drawing(s) is obj	ected to. See 37 CF	R 1.121(d).	
11) 🔲 Th	ne oath or declaration is objected to by the	ne Examiner. No	te the attached Office	Action or form PT	O-152.	
Priority un	der 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received.						
 Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No. 						
3. Copies of the certified copies of the priority documents have been received in this National Stage 3. Copies of the certified copies of the priority documents have been received in this National Stage						
	application from the International B	•				
* Se	e the attached detailed Office action for	a list of the certi	fied copies not receive	d.		
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date Notice of Informal Patent Application (PTO-152)					-152)	
Paper No(s)/Mail Date <u>8/20/03</u> . 6) Other:						

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Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 8/20/03 has been entered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-36, 59-71 are rejected under 35 U.S.C. 103(a) as being unpatentable over Daniel et al (5,860,992) in view of Mizuno et al. (5,876,325).

With respect to claims 1, 12, 59, Daniel et al disclose a system for repairing a cardiac valve comprising a shaft extending from a site outside a patient to an area about the cardiac valve; as best seen in FIG. 9A; a shaft supporting at its distal end a remotely controlled tool for performing a cardiac repair procedure a retainer, as set forth in column 3, lines 30-50, at the area of the cardiac valve, the retainer being attached to an annulus of the cardiac valve; and being closeable via the tool to draw the annulus to a smaller diameter.

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It is noted that Daniel et al did not teach of a flexible guide shaft and a flexible inner shaft and a remote manipulator controlled from a site remote from the body for controlling the tool, as claimed by applicant. However, Mizuno et al evidence the use of a device for surgical manipulation system with a flexible guide shaft and a flexible inner shaft with end effector and a manipulator controlled from a site remote from the body for controlling the tool for performing a desired operation.

Therefore, given the teaching of Mizuno et al., it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Daniel et al, as taught by Mizuno et al to provide that could perform any desired operation.

With respect to claims 2-11, 13-16, 60-71, the above combination of references teaches all the limitations; as set forth in column3, lines 30-50 and as best seen in FIG.9A-B of Daniel et al; and, as set forth in column 3, lines 50-67, column 4, lines 1-67, column 5, lines 1-25, ad as best seen in the figures of Mizuno et al.

With respect to claims 17-36, the method steps, as set forth, would have been obviously carried out in the operation of the device, as set forth above.

Allowable Subject Matter

Claims 37-58 are allowed.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

6,352,503

03-2002

Matsui et al

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Matsui et al teach the use of a balloon.

4,702,250	10-1987	Ovil et al.
5,674,279	10-1997	Wright et al.
6,269,819	08-2001	Oz et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pedro Philogene whose telephone number is (703) 308-2252. The examiner can normally be reached on Monday to Friday 6:30 AM to 4:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin P Shaver can be reached on (703) 308-2582. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Pedro Philogene May 25, 2004

PEDRO PHILOGENE PRIMARY EXAMINER